

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/002573

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-5, 7 _____ as originally filed/furnished
- pages* 6 _____ received by this Authority on 17.11.2004 with letter of 16.11.2004
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1-8 _____ received by this Authority on 17.11.2004 with letter of 16.11.2004
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1/1 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-8	YES
	Claims		NO
Inventive step (IS)	Claims	1-8	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-8	YES
	Claims		NO
2. Citations and explanations (Rule 70.7)			
1. In the present report, reference is made to the following document:			
D2: EP O 491 785 A (DAVY MCKEE SHEFFIELD)			
1 July 1992 (1992-07-01).			
2. INDEPENDENT CLAIM 1:			
2.1 The present application satisfies the requirements of PCT Article 33(1) because the subject matter of claim 1 is novel (PCT Article 33(2)).			
Document D2, considered to be the closest prior art, discloses:			
an edging mill (claim 1; the figure) for hot working, said mill comprising a pair of mutually contactable (15, 70) rolls (1), the central axes thereof being vertical, said rolls being connected via a cardan shaft (31, 32, 33, 34, 35) <u>to a rotary drive which is in a fixed position below the level of the mill floor</u> (23, 24, 25).			
/...			

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

Thus, the subject matter of **claim 1** differs from D2 in that:

- (i) the rotary drive used is a single drive motor;
- (ii) the drive motor is connected, via a gear system in each case, to the cardan shafts which drive the rolls.

2.2 The features according to (i) and (ii) solve, in a manner that is not obvious from the prior art, the problem of reducing wear and improving access to the installation (see also page 1, lines 25-33). Consequently, the subject matter of **claim 1** involves an inventive step (PCT Article 33(3)).

3. **DEPENDENT CLAIMS 2-8:**

These claims further develop the subject matter of claim 1 and, thus, likewise satisfy the requirements of the PCT in respect of novelty and inventive step.

4. The subject matter of **claims 1 to 8** is quite clearly industrially applicable (PCT Article 33(4)).